APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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CFTWM, ger, Archiv fuer Eisenhuettenwesen,
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BISI 2364

Sci & Tech

Dec 61

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Investigation of Iron Ores by Means of Differential Thermo Analysis, by H. Schenck, et al.

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BISI 1959

Sci - Min/Met

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Equilibrium of Sulphur Reaction Between Liquid, Carbon-Saturated Iron and Lime-Silica-Alumina Slags, by H. Schenck, et al.

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BISI 1893

Sci - Min/Met

Oct 60

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The Compression of Fracture of Tensile Test Pieces, by A. Krisch.

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BISI 3491

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CEA A-1191
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- BISI 1950

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CSCB 2212

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Effect of Aluminum Nitride on Oho Analysis
Results From Oxide Inclusions in Fully
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WB 5033

Sci - Chem
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HB 5034

Sci - Chem
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BISI 2471

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Gases in Ferroalloys, by R. Limpach, B. Marincek.

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HB 5076

Sci

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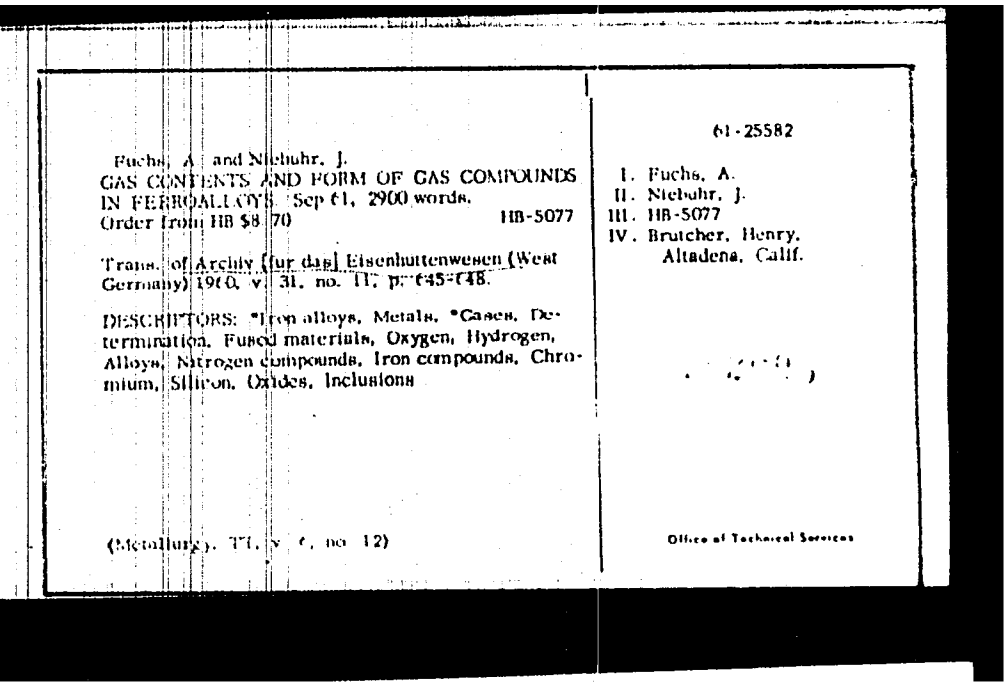

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Order from HB $8.70 HB-5077

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(Metallurgy, TT, v. 6, no. 12)

61-25582

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III. HB-5077
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Kinetics of Indirect Reduction, by H. Schenck, H P. Schulz.

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BISI 2635

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Investigation of the Completeness of Estimation of Sulphur Content on Works Products, Using Various Combustion Processes, by D. Blazejak-Ditges.

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BISI 2683

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May 62

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Heller, Wilhelm and Nacken, Matthias.
STUDY OF DEFORMATION AGING SO SOFT UNALLOYED STEEL DURING TENSILE AND DAMPING TESTING. [1961] [18]p. (10 figs. [tables] refs. omitted)
Order from SLA m$2.40, ph$3.30 61-10374

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The course of aging of basic bessemer, converter alloy and electric steels with a dissolved carbon content of up to 0.019% at different temperatures was investigated by tensile testing, and by damping and coercive force determinations. Studies of aged specimens were supplemented by recovery investigations as the results were compared with those of quench aging. The changes of strength characteristics and of coercive force, as a function of the aging time and of aging temperature, are characteristic of quench aging. These changes suggest that carbide formation during (Metallergy--Ferrous Metals, TT, v. 5, no. 11) (over)

61-10374

1. Steel--Aging
I. Heller, W.
II. Nacken, M.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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Determination of the Diffusion Coefficients in the Fe-Cr Alloys, by Th. Neumann.
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*NBS TT 70-57417

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The Distribution of Manganese Between Iron Melts and Iron (II)-Oxide Slags in the MnO Crucible at 1520 to 1770°C, by W. A. Fischer, H. J. Fleischer. GERMAN, per. Arch. Eisenh, Vol 32, Jan. 1961, pp 1-10.
BISI 4627

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HB 5118

ARC-TA-[illegible]

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Sci - Min/Metals

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The Application of X-Ray Fluorescent Spectrum Analysis in the Iron and Steel Industry, by H. J. Koppenaal, P. Schmitt.

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BISI 21.33

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Neutron Activation Analysis in Steel Industry,
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HB 5409

Sci - Phys

Jul 62

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The Application of X-Ray Fluorescence Analysis to the Ferrous Metallurgical Industry, by H. J. Kopineck.

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Wear of Chrome-Magnesite Bricks in Open-Hearth Furnace Roofs, by S. Kiesow.

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AEBI 2309

Sci - Engr

Sep 61

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DAMAGE TO TENSION WIRES BY HYDROGEN ABSORPTION IN ALUMINOUS CEMENT CONCRETE, BY F. K. NAUMANN, A. BAUMEL.

GERMAN, PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXII, FEB 1961, PP 89-94.

BISI 2325

SCI - ENGR

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BISI 2305

Sci - Chem

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Sep 61

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A New Torsional Pendulum for Research on Internal Friction in Metals, by Karl Bugardt, Hans Preisendanz.

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~~*Navy/APL J309~~

Navy Lu 3716/APL T437

Sci - Phys
Jan 64

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The Thermodynamics of Fe-C-Cu, Fe-C-Sm, Fe-C-Sb Systems, by H. Schenck.
GERMAN, per, Arch Eisenhuttenw, Vol 32, 1961, pp 123-127.
*NTIS/NBS TT 71-53102
Available NBS Only

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BIBI 2743

Sci - m/m

Agg 62

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HB 6910

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The Influence of Deformation on the Cold Rolling and Recrystallization Textures of Silicon-Iron Sheets, by K. Sagel

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BISI 2197

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Mar 1961, pp 173-185.

NEBI 2190

Sci - Chem

Sep 61

List 108

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Gauging of Roll Forge and Torque in Hot-Rolling and Calculation of Compressive Strength, by W. Dahl, E. Wildschutz, J. Langer.

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BISI 2782

Sci - Engr

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Determination of Equilibria Between Co-$Co_2$ Mixtures and $\gamma$ -Mixed Crystal, Cementite and Graphite, by E. Scheil, T. Schmidt, J. Wunning.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Apr 1961, pp 251-260.

BISI 2505

Sci - Chem

Mar 62

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Structure Developments by Means of Interference
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RIAI 3111

Sci - Phys
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Sintering, Degassing, and Reduction, Part IA of the Kinetics of Iron and Steelmaking Reactions, by L. von Bogdandy.

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MB 5333

ATI-214,988

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HB 5585

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EE-Ger
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*HB 5334

Sci - Chem

3 Nov 61

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EQUILIBRIUM INVESTIGATIONS ON MAGNESIO-WUSTITES AND MAGNESIO-FERRITES, BY N. G. SCHMAHL, ET AL.

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BISI 24LL

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, May 1961, pp 331-336.

BISI 2633

Sci - min/metals

Jul 62

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BISI 2447

Sci - Engr

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Mar 62

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OPERATIONAL EXPERIENCE WITH A NEW VACUUM SPECTROMETER. OPERATING DIFFICULTIES WITH A VACUUM SPECTROMETER, BY P. DICKENS, E. PIPER, H. KERN, ET AL.

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BISI 2469

SCI - ENGR 173,177

3 NOV 61

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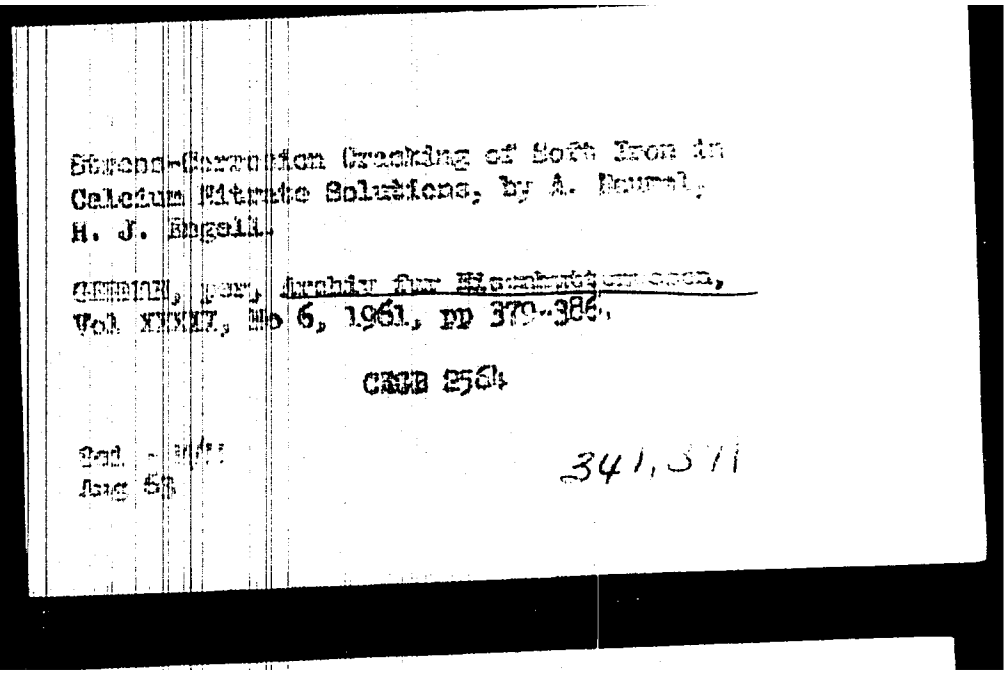

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CSCB 2564

Sol. - Nitr.
Iron

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GERMAN, pap, Archiv fur Eisenhuttenwesen, Vol XXXI, No 6, 1961, pp 387-395.

CEMB 2563

Set - M/M
Aug 63

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Pressure Sintering of Hafnium, Zirconium and Tantalum Carbides Without Binder, by B. Lersmacher, S. Scholz.

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EB 5246

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May 62

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GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXXII, Jul 1961. pp 437-450.

BISI 2445

Sci - Engr

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GERMAN, per, Archiv Eisenhuttenwesen, Vol. XXXII, No 7, 1961, pp 451-460.

HB 5335

Sci - Chem, Phys
Jun 62

199, 411

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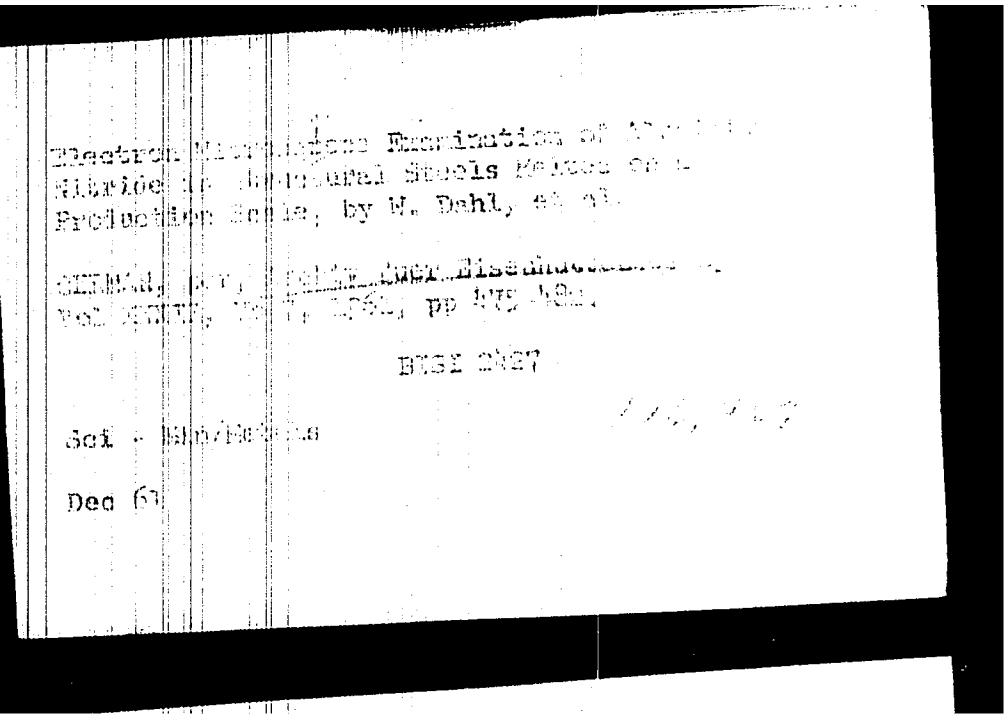

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BISI 2967

Sol - Nitr/Metal

Dec 67

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Jul 1961, pp 489-491.

BIBI 2704

Sci - Min/Metals

Jul 62

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GERMAN, per, Archiv fuer Eisenhuttenwesen,
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BISI 2460

Sci - Chem

Jan 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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BISI 2499

Sci - Phys

Mar 62

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The Viscosity of Ferrous Oxide Within the Temperatur.
Range From 1380 to 1490°C, by H Schenck,
M. G. Frohberg.

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Vol XXXII, No 8, 1961, pp 521-523.

BISI 3006

TK 2 4, 4 6 S

Sci & Tech
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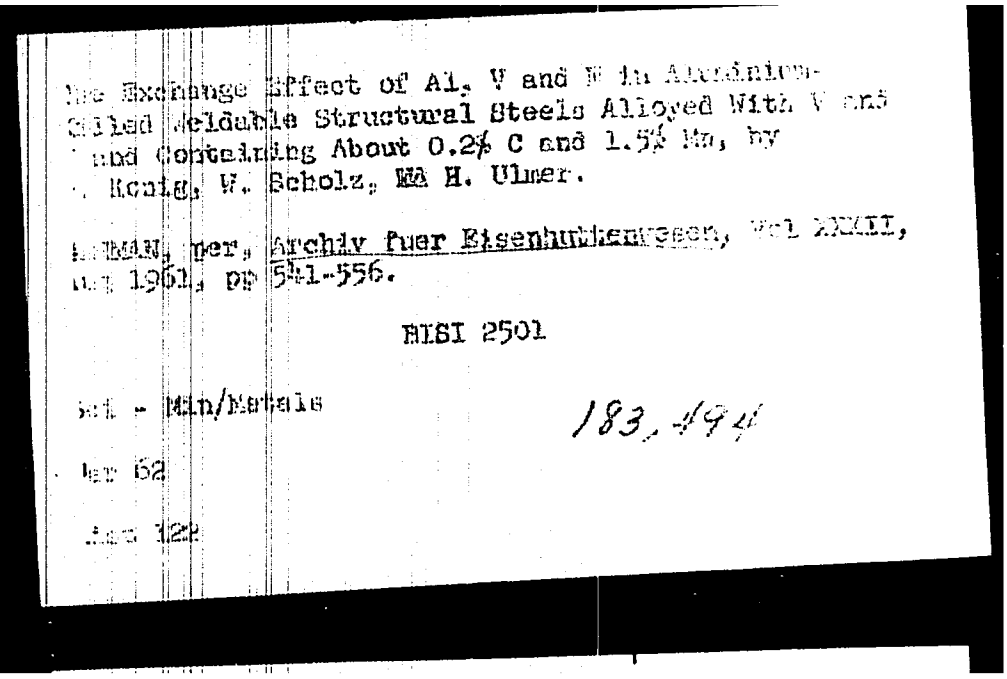

The Exchange Effect of Al, V and N in Aluminum-
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and Containing About 0.2% C and 1.5% Mn, by
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[illegible], Archiv fuer Eisenhuettenwesen, Vol XXXII,
1961, pp 541-556.

BISI 2501

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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Frohberg, M. G.
THE APPLICATION OF THE ION THEORY TO METALLURGICAL SLAGS WITH SPECIAL REFERENCE TO THE OXYGEN AND SULPHUR DISTRIBUTION, tr. by D. A. Sinclair. 1962, 34p. 49 refs. NRCC Technical Trans. 1037.
Order fromNRCC $2.00 NRCC C-4057

Trans. of Arch[iv fur das] Eisenhüttenw[esen] (West Germany) 1961, v. 32, no. 9, p. 597-606.

DESCRIPTORS: *Slags, Dissociation, Oxygen, Sulfur, Distribution, *Liquid metals, *Iron, Calcium compounds, Oxides, Dioxides, Silicon compounds, Electrolytes (Physiology), *Ion exchange, Exchange reactions, Metallurgical analysis, Ions, Theory, *Electrochemistry, Mathematical analysis.

(Metallurgy, TT, v. 8, no. 10)

62-34395

I. Frohberg, M. G.
II. NRCC TT-1037
III. NRCC C-4057
IV. National Research Council of Canada

Office of Technical Services

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Investigation Into the Structure of Corrugated Rails, by F. K. Naumann.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Sep 1961, pp 617.

*BISI E 2533

Sci - Engr

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Improvements of the End Quench Test and Its Applicability in Very Accurate Investigations, by H. Borchers, H. Schlight,

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CRL/T.927

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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The Solubility and Diffusion of Hydrogen in Steel, by G. Vibrans.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, 1961, pp 667-673
No 10

BISI 2598
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Sci - Chem
Feb 63

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State of Stress and Multiaxial Indices in Notched Tensile and Bend Test Pieces With Elastic Stressing, by A. Kochendorfer, A. Schurenkamper.
GERMAN, per, Arch. Eisenh. Vol 32, Oct 1961, pp 681-687.
BISI 4314

G-B4/1314-130 s.

Sci/Tech
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BISI 4313

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The Calorimetry and Thermodynamics of Fe-Cu Alloys,
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GERMAN, per, Arch Eisenhuttenw, Vol 32, 1961,
pp 719-728.
*NTIS/NBS TT 71-55190
Available NBS Only

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Simple Method of Isolation of Thin Nonmetallic Coatings, by G. Konig.

GERMAN, per, Archiv Eisenhuttenwesen, Vol XXXII, No 10, 1961, pp 729-731.

HB 5412

Sci - Min/Met
May 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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GERMANY, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Nov 1961, pp 753-760.

BISI 2597

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Sci - Chem

Jul 62

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The Equilibrium Solubility of Hydrogen in Pure Liquid Nickel and Iron, and the Influence of Oxygen in the Iron, by H. Schenck, H. Wunsch.

CHEMAB, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Nov 1961, pp 779-790.

BISI 2668

Sci - M/m

Jan 63

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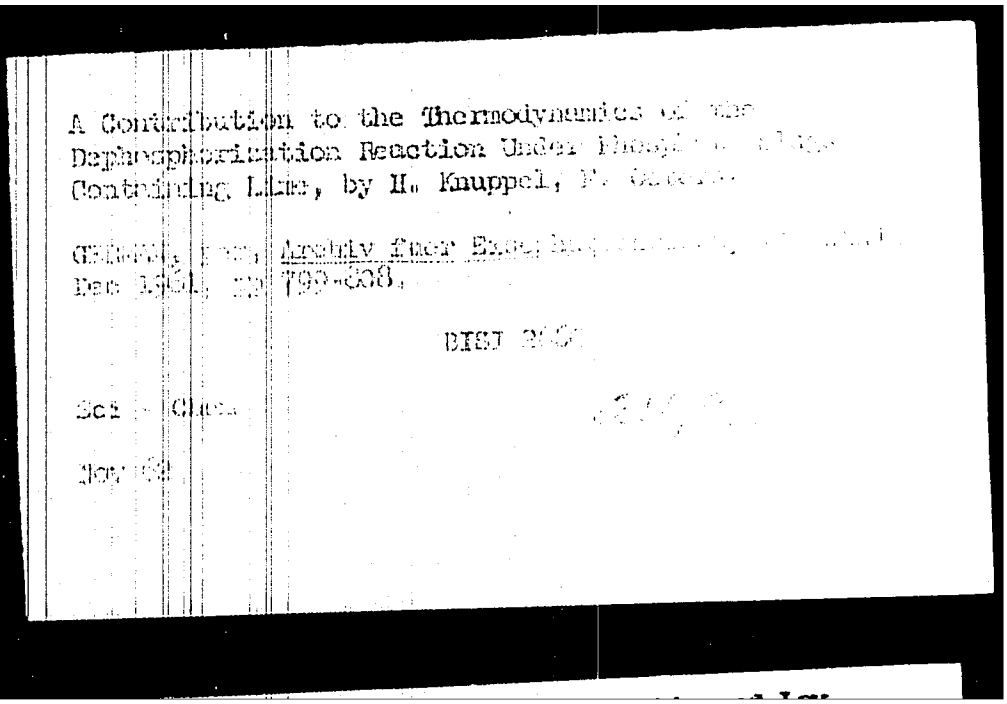
APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7



A Contribution to the Thermodynamics of the
Dephosphorization Reaction Under Blast-Furnace
Containing Lime, by H. Knuppel, P. Oberhoffer

Stahl u. Eisen, Archiv fuer Eisenhuettenwesen, Vol 1
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DIGEST

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

Indication of the Quality Characteristics of Low Carbon Steels by Damping Measurements, by W. Koster, G. Kampschulte.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Dec 1961, pp 809-822..

BISI 2685

Sci - Min/Metals

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Jul 62

list 136

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Dec 1961, pp 823-841.

BISI 2677

Sci - Min/Metals

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Sep 62

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Influence of Overall Pressure on the Decomposition o
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Dec 1961, pp 843-850.

BISI 2807

Sci - M/E
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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII, Dec 1961, pp 857-861.

BISI 2762

Sci - Chem

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Jul 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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The Segregating Action of Manganese on Alloys of the Iron-Nickel-Sulphur System, by R. Vogel, R. Gerhardt. GERMAN, per, Arch Eisenh. Vol 32, Dec 1961, pp 879-882.
BISI 4403

Sci/Mgt
Oct 65

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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GERMAN, per, Archiv Eisenhuttenwesen, V Part II, Vol XXXII, Dec 1961, pp 883-892.

BISI 2809

Sci - M/M
Jul 63

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1962, pp 5-15.

BISI 2912

Sci - Phys

Oct 62

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List 150

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HB 5558

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Sci - Min/Met
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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1952, pp 23-26.

BIBI 2805

Sci - Chem

204, 772

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list 139

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BISI 2873

Sci - Chem

Aug 62

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BIBI 2874

Sci - Chem

Aug 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1962, pp 49-60.

BISI 2875

Sci - Chem

Aug 62

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 1, 1962, pp 67-76.

BISI 3324

Sci - M/M
Nov 63

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ON THE BEHAVIOUR OF COPPER, PHOSPHORUS AND ARSENIC IN THE ELECTROLYTIC DECOMPOSITION OF IRON ALLOYS, BY W. KOCH.

GERMAN, PER, ARCHIV EISENHUTTENWESEN, VOL XXXIII, NO 2, 1962, PP 85-89.

HB 5562

SCI - MIN/MET
AUG 62

206,991

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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TESTING A HYDROCHLORIC ACID-GLYCOL ELECTROLYTE FOR RESIDUAL ISOLATION OF CHEMICALLY RESISTANT STEELS, BY A. BAUMEL, W. THOMISCH.

GERMAN, PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXIII, FEB 1962, PP 91-100.

BISI 2850

SCI - CHEM
OCT 62
LIST 154

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GERMAN, per, Archiv fur das Eisenhuttenwesen, Vol. XXXIII, 1962, pp 107-114.

BISI 2839

Sol - M/M
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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Feb 1962, pp 131-140.

BISI 2806

Sci - Mtlm/Metals

228, 15-6

Aug 62
Lmt 145

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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Dissolution of Refractory Materials, by E. Forster, O. Knacke.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 3, 1962, pp 141-143.

HB 5627

Sci - Chem

Jul 62

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EXPERIENCES WITH VACUUM SPECTROMETERS IN THE STEELWORKS LABORATORY, PART I, II, BY S. ECKHARD, G. GRAUE, R. MAROTZ.

GERMAN, PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXIII, NO 3, 1962, PP 145-150, 151-156.

BISI 2935
CRL/T. 1169

SCI - PHYS

OCT 62

LIST 153

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Mar 1962, pp 157-166.

BISI 2857

Sci - Engr

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STRUCTURAL EXAMINATION OF AUSTENITIC CHROMIUM-NICKEL-NIOBIUM STEEL CREEP SPECIMENS, BY A. SCHRADER, A. [illegible].

GERMAN, PER, ANG FUER EISENHUTTENWESEN, VOL XXXIII, JAN 1962, PP 167-175.

BISI 2919

SCI M/M

NOV 62

LIST 151

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The Ternary System Iron-Phosphorus-Niobium, by R. Vogel, W. Bleichroth.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Mar 1962, pp 195-210.

BIBI 2931

Sci - m/m

Jan 63

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The Influences of Deformation, Final Rolling Temperature, Cooling Conditions and Heat Treatment on the Mechanical Properties of Hot Rolled Heavy Plate, by M. Haneke. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 211-276. BISI 3760

Sci - Engr
Aug 624

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Prevention of Caking of Fluidized Beds in the Reduction of Iron Ores, by H. Schenck, et al.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Jul 1962, pp 211-216.

HB 5636

Sci - Chem

Jul 62

204, 758

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Calculation of the Activities of Carbon and Aluminum in the Iron-Carbon- Aluminum System at 1600°C Using a Digital Computer Part II, by H. Schenck.

GERMAN, per, Archiv Eisenhuttenwesen, Vol. XXXIII, No 4, 1962, pp 229-232.

IIB 5584

Sci-Min/Met
Jan 63

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GERMAN, per Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Aug 1962, pp 223-232.

HB 5637

Sci - Chem

Jul 62

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 233-241.
*BISI 3760

Sci - Engr
Jun 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

Method of Measuring the Explosive Strength of Metals and Alloys and Their Behaviour Under Shock-Wave Stresses, by E. Schmidtmann, D. Springorum, H. Schenck.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, Aug 1962, pp 241-250.

HB 5638

204, 760

Sci - Phys

Jul 62

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Influence of Mo on the Structure Hardness and Impact Strength of Nb, by K. Bungart, G. Lennartz.
GERMAN, per, Archiv. fur das Eisenhuttenwesen, Vol XXXIII, 1962, pp 251-259.

AEC

Sci
Mar 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

PRECIPITATION PROCESS IN A STEEL WITH APPROX. 0.14% C; 0.6% Mo AND 0.3% V AND THEIR EFFECT ON ITS PROPERTIES, BY E. BAERLECKEN, H. FABRITIUS.

GERMAN. PER, ARCHIV FUER EISENHUTTENWESEN, VOL XXXIII, APR 1962, PP 261-267.

BISI 2898

SCI M/M

NOV 62

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GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 4, 1962, pp 269-275.
BISI X 2914

Sci - M/M
Sep 62 X4

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000200900064-7

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Effect of Chemical Composition and of Rolling Conditions on the Yield Point of Killed Special Deep-Drawing Steel, by H. G. Rosenstock, H. F. Klarner, E. Schmidtmann.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, May 1962, pp 281-284.

BISI 2930

Sci - Min/metals

Oct 62
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212,271

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